

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	("20040192394").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/18 15:37
S3	1	(antenna near2 branch) same select\$4 same ((largest adj signal) or (highest signal quality))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/18 13:58
S4	1	diversity and espar and select\$4 same ((largest adj signal) or (highest signal quality))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/18 13:59
S5	0	diversity and espar and select\$4 with (antenna adj array adj branch)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/18 14:00
S6	0	diversity and espar and select\$4 with (antenna near3 array with branch)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/18 14:00
S7	16	diversity and select\$4 with (antenna near3 array with branch)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/18 14:00
S9	2	("6745009").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/18 14:20

## EAST Search History

S12	2	("20040139897").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/18 15:15
S13	2	("6492942").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/18 15:16
S14	2	("6677898").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/18 15:16
S15	3	("6407719"   "6492942").PN. OR ("6677898").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/18 15:16
S16	62	((JUN) near2 (CHENG)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/18 15:18
S17	2	("20040135723").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/18 15:39
S18	2	("6327314").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/18 15:41
S19	2	("6389085").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/18 15:43

## EAST Search History

S20	492	diversity and ((adaptive near2 array) or espar) and (select\$3 with (array or branch or (group near2 antenna)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/18 15:53
S21	8	S20 and perturb\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/18 15:45
S22	91	S20 and (high\$3 or best) near2 ((signal adj (quality or strength)) or SNR or S\$1N or C\$1I or SNIR)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/18 15:50
S23	2	("7180956").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/18 15:48
S24	487	diversity and ((adaptive near2 array) or espar) and (select\$3 with (array or branch or (group near2 antenna) with (high\$3 or best) near2 ((signal adj (quality or strength)) or SNR or S\$1N or C\$1I or SNIR)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/18 15:53
S25	2	("20040192394").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/19 12:45
S26	2	("6232927").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/19 12:48

## EAST Search History

S27	2	("5239541").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/19 12:49
S28	2	("7315733").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/19 12:50
S29	2	("6553078").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/19 12:51
S30	2	("20020193146").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/19 12:53
S31	2	("20060232492").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/19 12:53
S32	1	((TAKUMA) near2 (SAWATANI)). INV.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/19 12:59
S33	4	((KYOICHI) near2 (IIGUSA)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/19 12:59
S34	10	((MAKOTO) near2 (TAROMARU)). INV.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/19 13:00
S35	8	("4814882"   "4977616"   "5465411"   "5561673"   "5991613"   "6067449"   "6118773").PN. OR ("6721550"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/19 13:01

## EAST Search History

S37	1	espar and (selection near2 diversity)	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/19 13:04
S38	85	(espar or (adaptive adj array)) and (selection near2 diversity)	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/19 13:08
S39	9	(espar or (adaptive adj array)) and (selection near2 diversity) and (weight\$4 adj coefficients)	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/19 13:10
S40	2	(espar) and (diversity) and (weight\$4 adj coefficients)	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/19 13:11
S41	20	(espar) and (diversity)	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/19 13:12
S42	4	("6369770"   "6492942"   "6788268").PN. OR ("6961026").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/19 13:15
S44	462	(adjust\$4 or updat\$4) same (plurality near3 (array\$1) with antenna)	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/19 13:27
S45	10	((adjust\$4 or updat\$4) near2 weight) same (plurality near3 (array\$1) with antenna)	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/19 13:20
S46	115	((adjust\$4 or updat\$4) near2 weight) and (plurality near2 (array\$1) near3 antenna)	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/19 13:21
S47	113	((adjust\$4 or updat\$4) near2 weight) and (plurality near2 (array\$1) near2 antenna)	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/19 13:21
S48	20	S47 and (select\$4 near2 (branch or array or group))	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/19 13:27
S49	2	("5557646").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/19 13:27
S50	27	(adjust\$4 or updat\$4) same (plurality near2 antenna adj (array\$1))	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/19 13:28

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	("6771988").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/30 06:25
S2	16	("20020123372"   "20030129996"   "6061553"   "6397082"   "6512917"   "6556845").PN. OR ("6771988").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/30 07:14
S4	20	(plural or plurality) near4 antenna\$1 near3 arrays with select\$4 near array	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/30 07:16
S7	18	(plural or plurality) near4 antenna\$1 near3 arrays with select\$4 same beamform\$4	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/30 07:18
S8	41	(plural or plurality) near4 antenna\$1 near3 arrays same select\$4 same beamform\$4	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/30 07:18
S9	4	("6714584"   "6946993"   "7103120"   "7209512").PN. OR ("7315589").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/30 07:23
S10	7	("20010028675"   "20030224751"   "20040027268"   "5676147"   "5796779"   "6473037"   "6504515").PN. OR ("6850190").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/30 07:27
S12	7	("20010028675"   "20030224751"   "20040027268"   "5676147"   "5796779"   "6473037"   "6504515").PN. OR ("6850190").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/30 07:30
S14	10	("5610617"   "5907816"   "6009124"   "6118767"   "6233466"   "6236866"   "6347234"   "6473616").PN. OR ("7039441").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/30 08:56
S16	317	(select\$4 or choos\$4 or chosen) near2 (antenna adj array)	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/30 08:58
S19	4	S16 and perturb\$5	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/30 08:58

## EAST Search History

S20	181	(selecting or selected) near2 (antenna adj array)	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/30 09:08
S21	85	S20 and weight\$4	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/30 09:08
S23	99	(selecting or selected or selection) near (antenna adj array)	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/30 09:26
S24	49	S23 and weight\$4	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/30 09:10
S27	12	("3737899"   "3811128"   "4380012"   "4667201"   "4766438"   "4924235"   "5281974").PN. OR ("5355139"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/30 09:24
S28	2	("5887038").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/30 09:24
S30	0	(adaptive adj antenna adj array) with selection adj diversity	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/30 09:26
S31	3	(adaptive adj antenna adj array) same selection adj diversity	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/30 09:28
S32	153	(adaptive adj antenna adj array) same diversity	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/30 09:27
S33	113	(adaptive adj antenna adj array) with diversity	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/30 09:27
S35	1	(adaptive adj antenna adj array) with select\$4 with diversity	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/30 09:28
S36	2	("6249251").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/30 09:28

## EAST Search History

S37	46	(adaptive adj antenna adj array) and selection adj diversity	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/30 09:42
S38	2	("6492942").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/30 09:43
S39	2	("20020050948").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/30 09:43
S40	2	("6477213").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/30 10:19
S41	153	((KENICHI) near2 (MIYOSHI)). INV.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/30 11:05
S42	2	("6292135").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/30 11:05